

## 03050202-020

(Cypress Swamp/Ashley River)

### General Description

Watershed 03050202-020 is located in Dorchester and Berkeley Counties and consists primarily of the *Cypress Swamp* and the *Ashley River* and their tributaries from Captains Branch to Dorchester Creek. The watershed occupies 48,170 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Daleville-Jedburg-Meggett-Brookman series. The erodibility of the soil (K) averages 0.28; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 51.7% forested land, 17.4% forested wetland, 10.4% urban land, 9.8% scrub/shrub land, 8.6% agricultural land, 1.3% nonforested wetland, 0.5% water, and 0.3% barren land.

Cypress Swamp accepts drainage from Captains Creek (McKeown Branch), Platt Branch, Rumphs Hill Creek (Negro Branch), Tina Branch, and Hurricane Branch. The confluence of Cypress Swamp and Hurricane Branch forms the headwaters of the Ashley River near the Town of Summerville. The river then flows through Bobs Lake and Schultz Lake to Bacon Bridge and drains into the lower Ashley River. Upstream of Bacon Bridge, the river is classified FW and downstream of the bridge, the river is classified SA. There are a total of 112.0 stream miles in this watershed.

### Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CSTL-102	P	FW/SA	ASHLEY RIVER AT SC 165 4.8 MI SSW OF SUMMERVILLE

*Ashley River (CSTL-102)* - This site is located in a transition area between fresh and salt waters and shows characteristics of both. Aquatic life uses are not supported due to dissolved oxygen excursions, compounded by a significant decreasing trend in dissolved oxygen concentrations. Recreational uses are partially supported due to fecal coliform bacteria excursions.

### NPDES Program

#### Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)</i>	<i>NPDES# TYPE LIMITATION</i>
ASHLEY RIVER CWS/TEAL-ON-ASHLEY PIPE #: 001 FLOW: 0.03 WQL FOR NH <sub>3</sub> -N, DO, TRC, BOD <sub>5</sub>	SC0030350 MINOR DOMESTIC WATER QUALITY

ASHLEY RIVER  
 DICARI INC./BACONS BRIDGE MINE  
 PIPE #: 001 FLOW: M/R

SCG730077  
 MINOR INDUSTRIAL  
 EFFLUENT

PLATT BRANCH  
 LINQ INDUSTRIAL FABRICS, INC.  
 PIPE #: 001 FLOW: M/R  
 WQL FOR DO, TRC, BOD5

SC0003905  
 MINOR INDUSTRIAL  
 WATER QUALITY

## Nonpoint Source Management Program

### *Mining Activities*

*MINING COMPANY*  
*MINE NAME*

*PERMIT #*  
*MINERAL*

TIDELAND UTILITIES, INC.  
 TIDELAND FILL PIT

0483-15  
 SAND/CLAY

MURRAY MINES, INC.  
 MURRAY MINE

0044-18  
 SAND

TS SMALLS, INC.  
 ACKERMAN PIT

0843-18  
 SAND

TS SMALLS, INC.  
 642 PIT

0670-18  
 SAND/CLAY

SWEAT'S DIRT HAULING, INC.  
 HWY 642 DIRT PIT

0917-18  
 SAND/CLAY

SWEAT'S DIRT HAULING, INC.  
 HWY 61 DIRT PIT

0887-35  
 SAND/CLAY

DICARI, INC.  
 BEACONS BRIDGE MINE

1058-35  
 SAND/CLAY

PALMETTO SAND CO.  
 THE PONDS

1150-35  
 SAND

### *Land Disposal Activities*

#### **Landfill Facilities**

*SOLID WASTE LANDFILL NAME*  
*FACILITY TYPE*

*PERMIT #*  
*STATUS*

AMERIACAN RESOURCES INC.  
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182415-5201  
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WESTCO PLANTATION  
 INDUSTRIAL

182437-1201 (IWP-138, CWP-036))  
 ACTIVE

## Growth Potential

There is a high potential for growth in this watershed, and water and sewer services are available to these growth areas.